

## Abstract

A signal processing device and a control unit for cooperating with a signal processing device are described, the signal processing device being designed for processing knocking signals of an internal combustion engine which are provided by knocking sensors (2). A comprehensive check for errors is performed. The filter coefficients provided for a filter in the signal processing device (1) are checked for consistency. Furthermore, messages between control unit (10) and signal processing device (1) are checked for transmission errors. If errors occur, alternate measures are initiated.

10 (Figure 1)